

FIG. 1 (PRIOR ART)

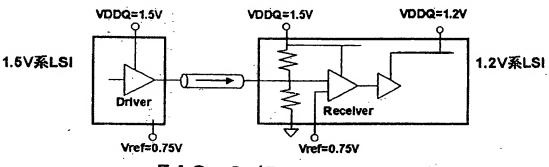


FIG. 2 (PRIOR ART)

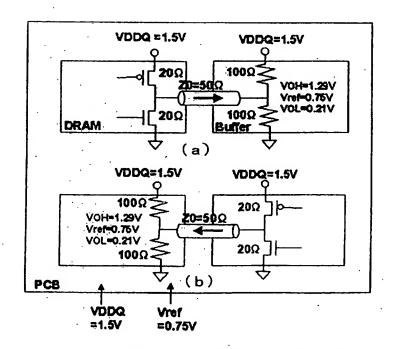


FIG. 3 (PRIOR ART)

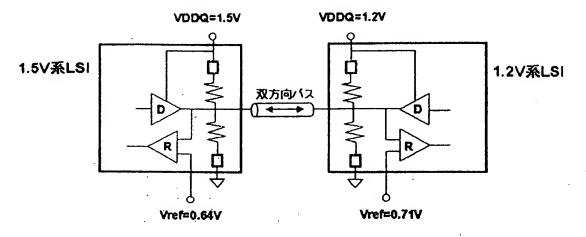


FIG. 4 (PRIOR ART)

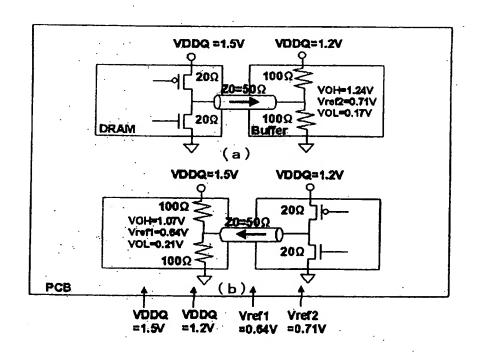


FIG. 5 (PRIOR ART)

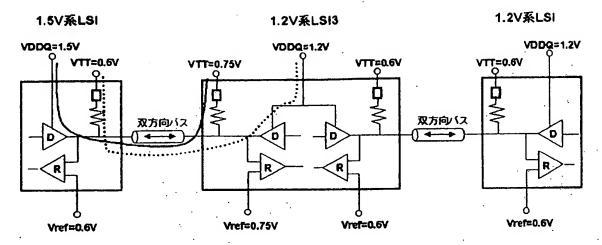


FIG. 6 (PRIOR ART)

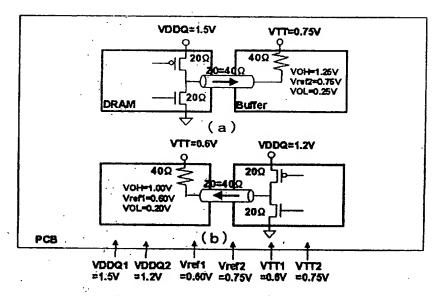


FIG. 7 (PRIOR ART)

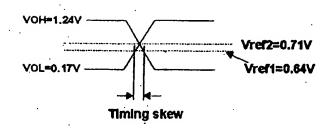


FIG. 8 (PRIOR ART)

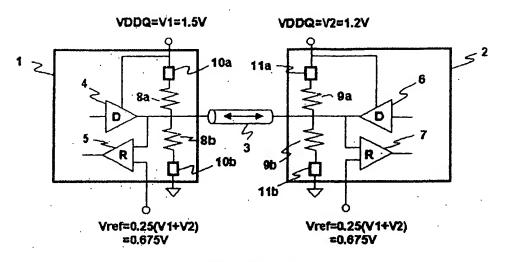


FIG. 9

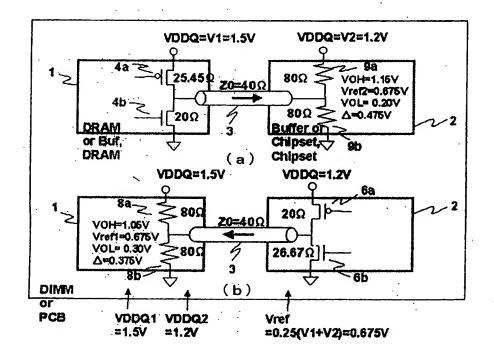
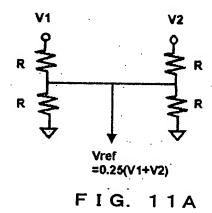
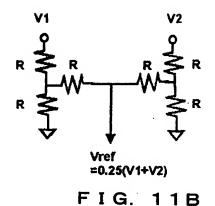


FIG. 10





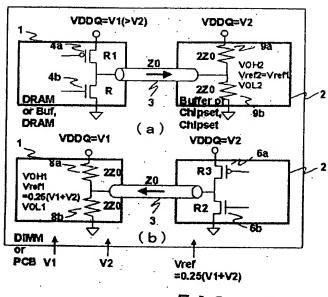


FIG. 12

R1=Z0(V2·Z0-V1·R-V1·Z0) /(V2·R-V1·Z0-V1·R)

VOH2=(V1-0.5V2)Z0/(R1+Z0) + 0.5V2 VOL2=0.5V2·R/(Z0+R)

R3≦Z0

R≤Z0

R2=Z0(V1·Z0+V2·R3-V2·Z0) /(V1·R3+V2·Z0-V2·R3)

VOH1=(V2-0.5V1)Z0/(R3+Z0) + 0.5V1 VOL1=0.5V1·R2/(R2+Z0)

Vref=Vref2=0.25(V1+V2)

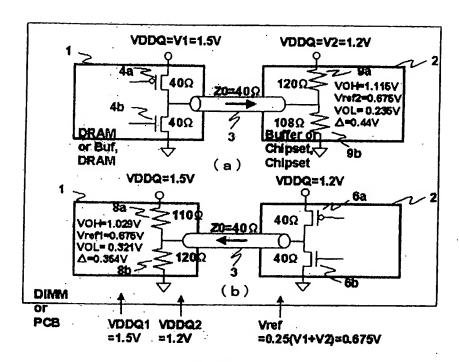


FIG. 13

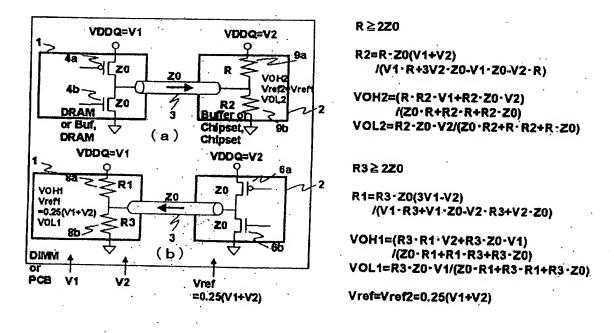


FIG. 14

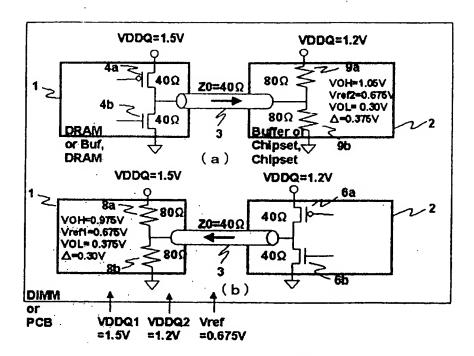


FIG. 15

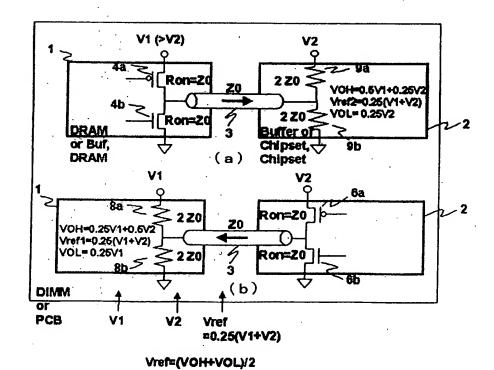
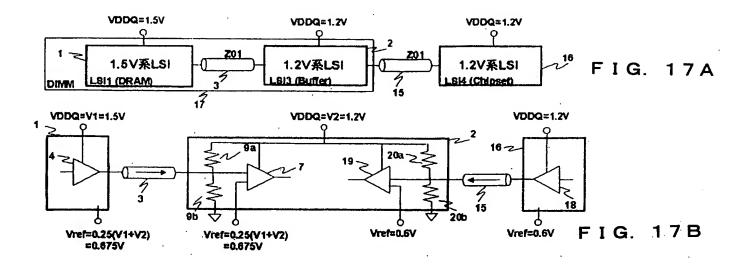
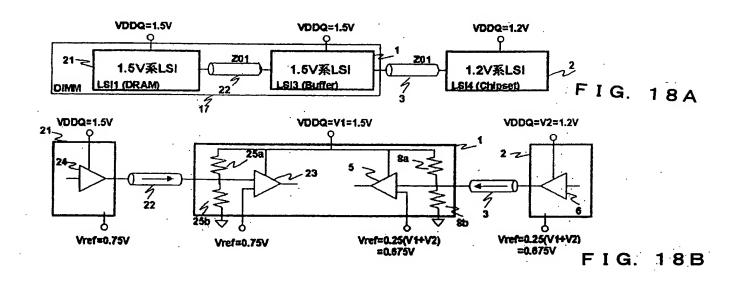


FIG. 16





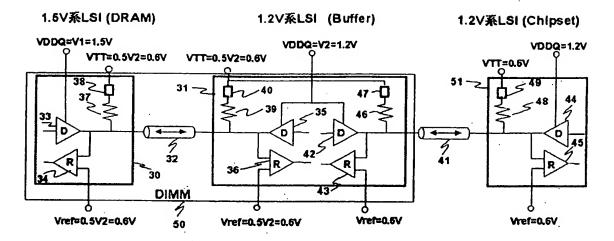


FIG. 19

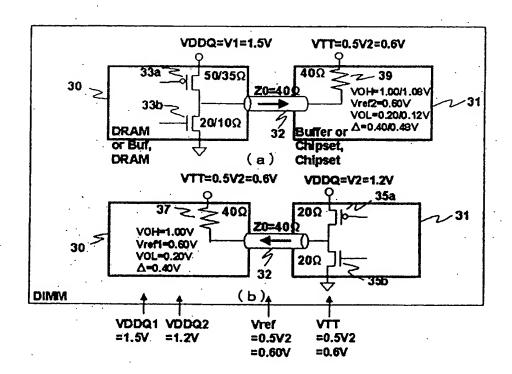
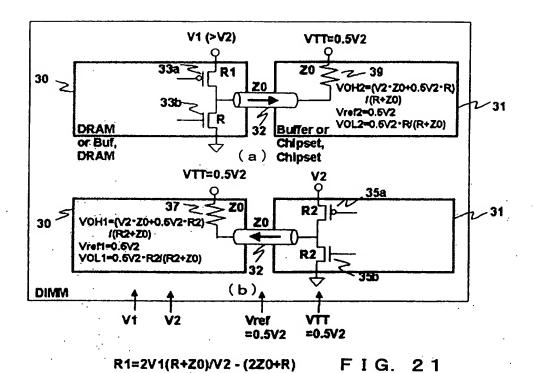


FIG. 20



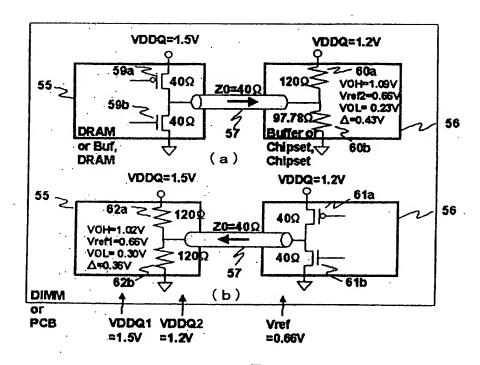
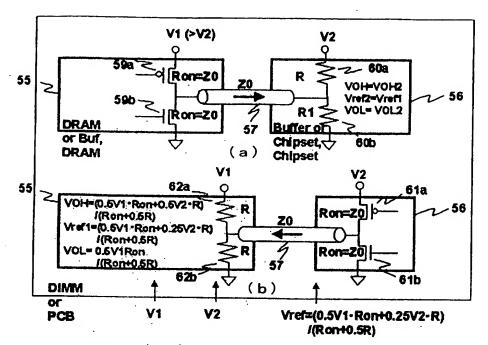


FIG. 22.



R1=2R-Ron(V1-Ron + 0.5V2-R) /(V2-R-Ron + R-R-V1 + 4Ron-Ron-V2-R-R-V2-2Ron-Ron-V1) VOH2=(R-R1-V1+R1-Ron-V2)/(R-R1+R1-Ron+R-Ron) VOL2=R1-Ron-V2/(R-R1+R-Ron+R1-Ron)

FIG. 23

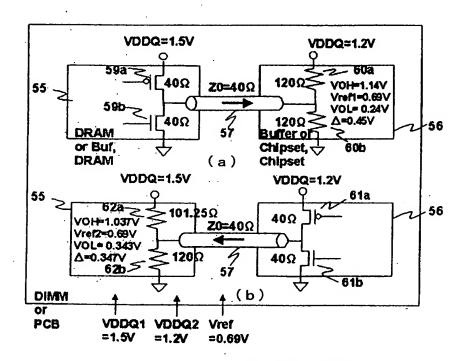


FIG. 24

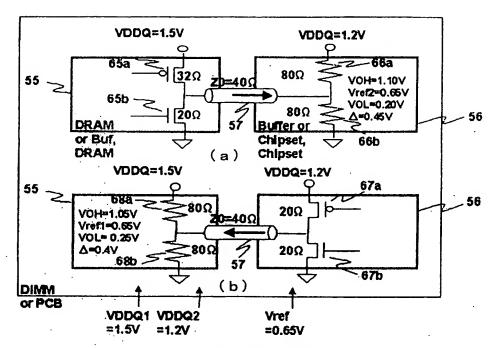
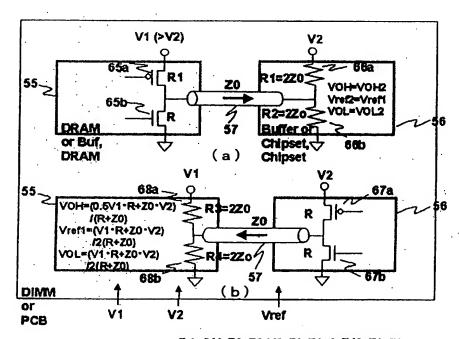
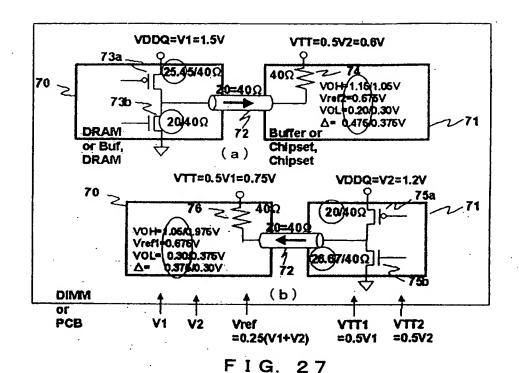


FIG. 25



R1=(V1-Z0-Z0-V2-Z0-Z0+0.5V2-Z0-R) /(V1-R+0.5V2-Z0-V2-R) VOH2=(0.5V2-R1+V1-Z0)/(R1+Z0) VOL2=0.5V2-R/(R+Z0)

FIG. 26



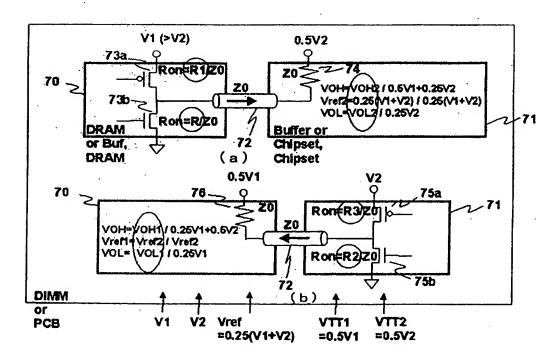


FIG. 28

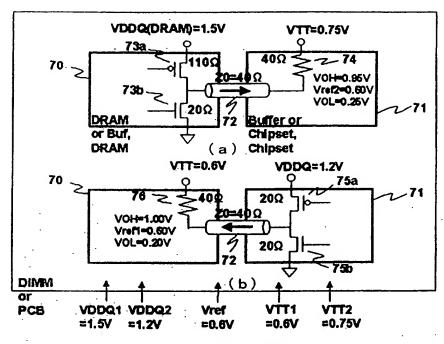


FIG. 29

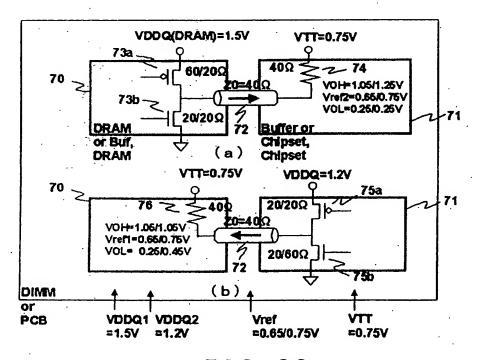
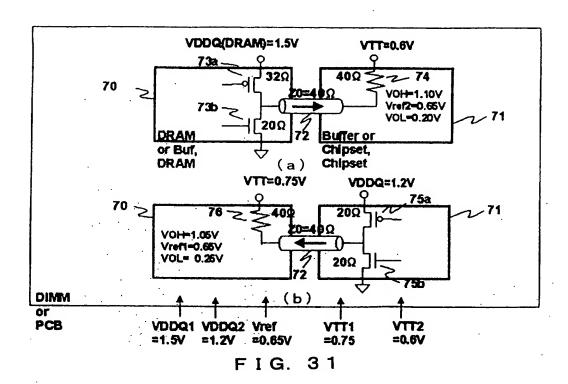


FIG. 30



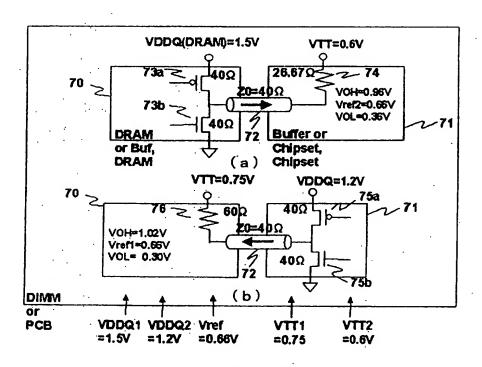


FIG. 32

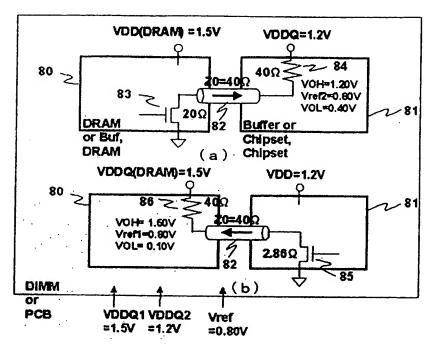


FIG. 33

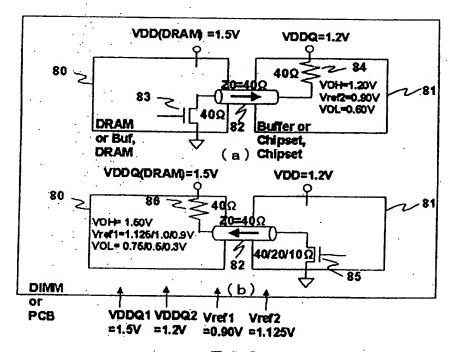
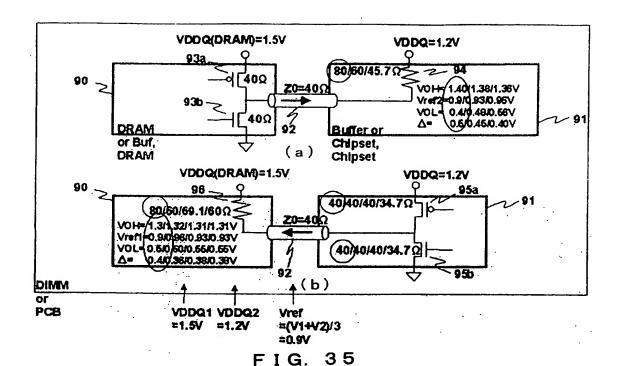


FIG. 34



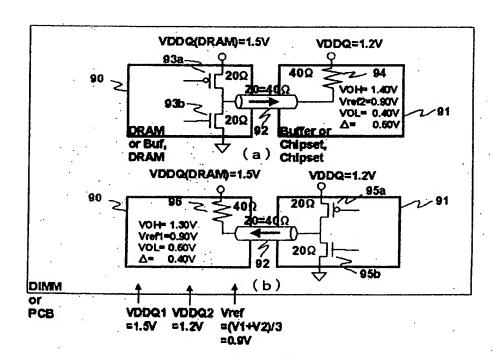


FIG. 36

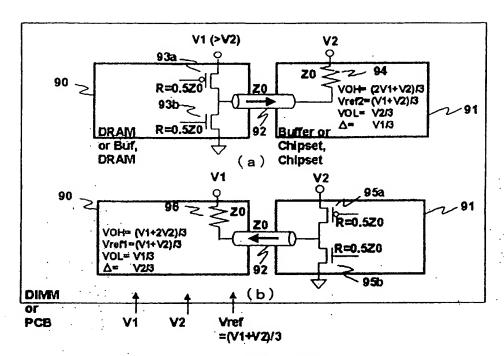


FIG. 37

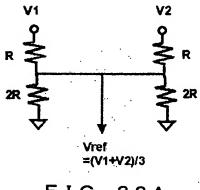


FIG. 38A

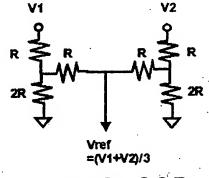


FIG. 38B

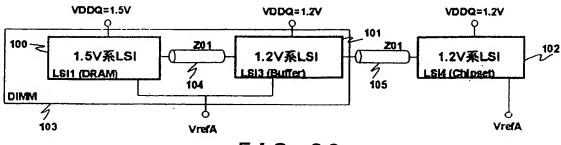


FIG. 39

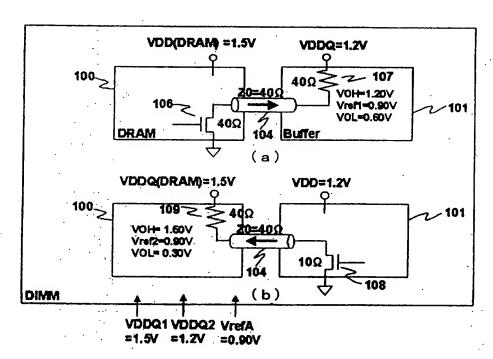


FIG. 40

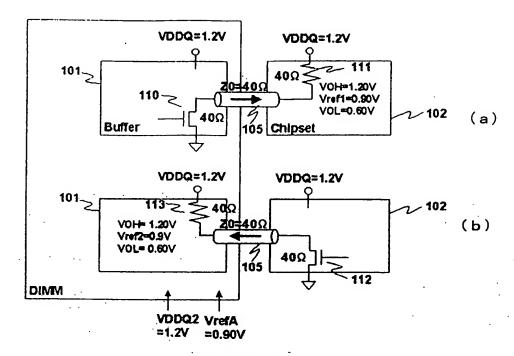


FIG. 41

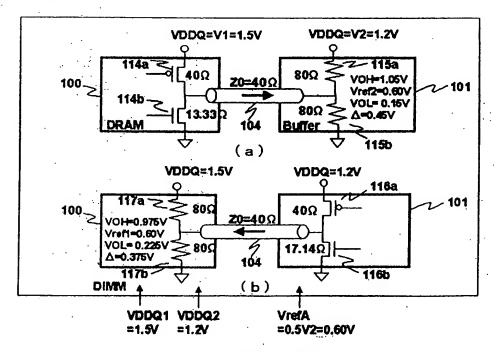


FIG. 42

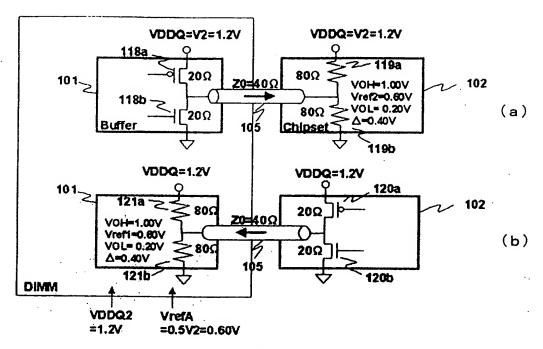


FIG. 43

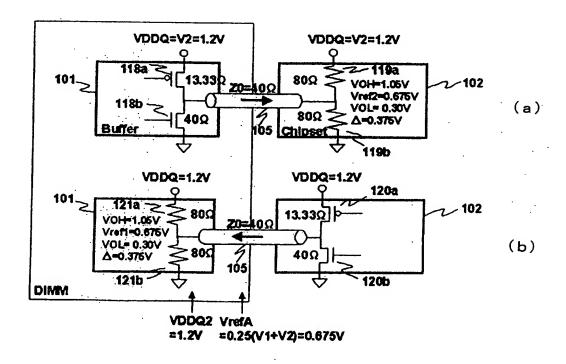


FIG. 44

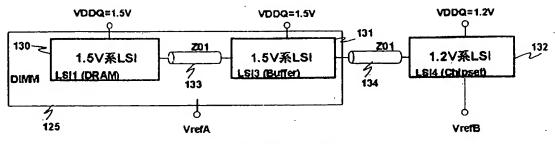


FIG. 45

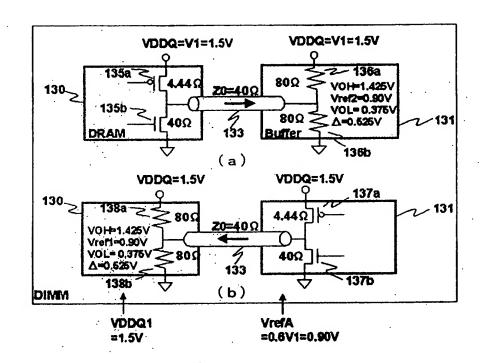


FIG. 46

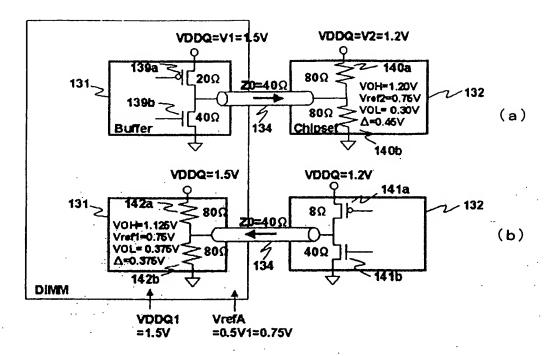


FIG. 47

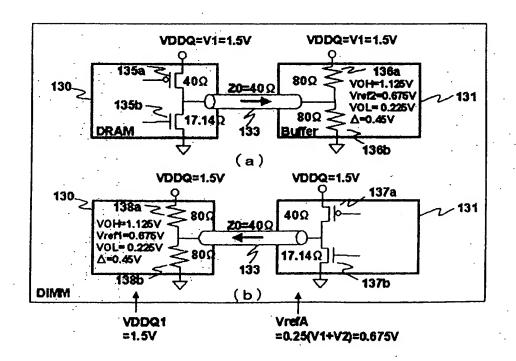
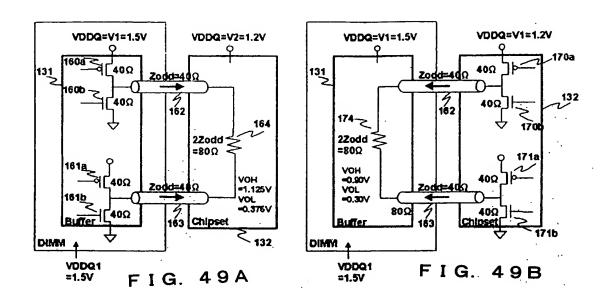
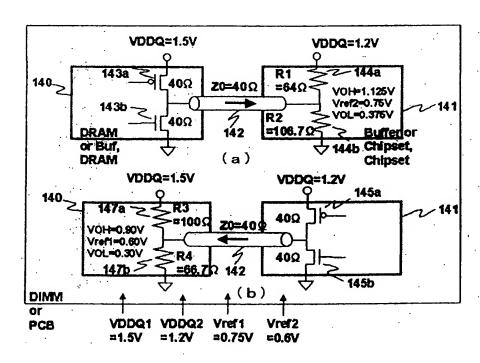


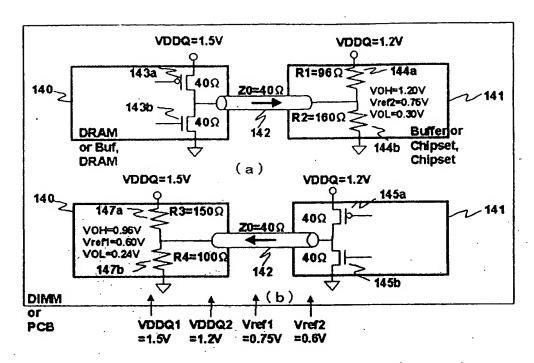
FIG. 48





m=(R1//R2)/Z0=s=(R3//R4)/Z0=1.0

FIG. 50



m=(R1//R2)/Z0=s=(R3//R4)/Z0=1.5

FIG. 51

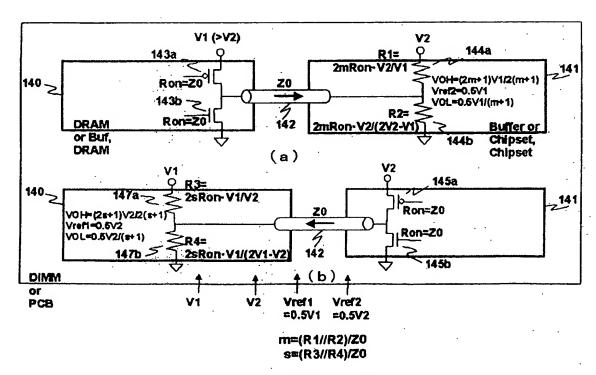


FIG. 52

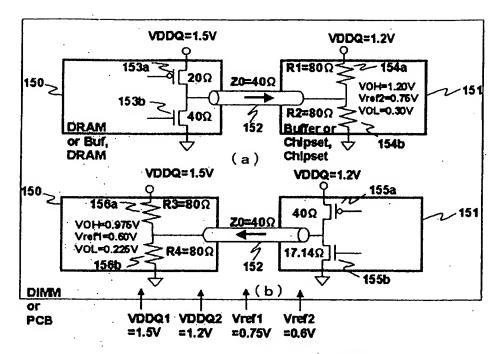


FIG. 53

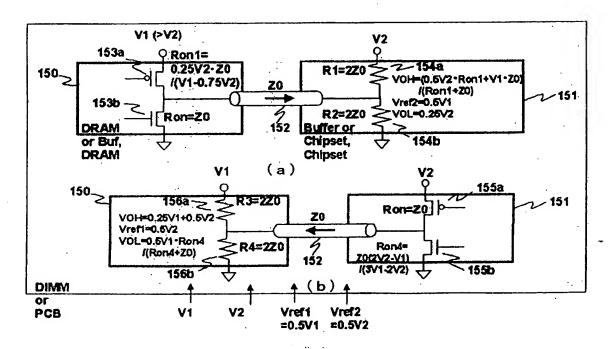


FIG. 54